

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
12 May 2005 (12.05.2005)

PCT

(10) International Publication Number  
**WO 2005/042745 A1**

(51) International Patent Classification<sup>7</sup>: C12N 15/29,  
15/82, 5/10, C07K 14/415, A01H 5/10

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:  
PCT/EP2004/052760

(22) International Filing Date:  
2 November 2004 (02.11.2004)

(25) Filing Language: English

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

(30) Priority Data:  
03292739.4 3 November 2003 (03.11.2003) EP

(71) Applicant (for all designated States except US): BIO-GEMMA [FR/FR]; 1 rue Edouard Colonne, F-75001 Paris (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): PEREZ, Pascual [FR/FR]; 17, Chemin de la Pradelle Varennes, F-63450 CHANONAT (FR). GUTIERREZ-MARCOS, José [ES/GB]; 115A South Field Road, OXFORD Oxfordshire OX1 3RB (GB). DICKINSON, Hugh [GB/GB]; Magdalen College High Street, OXFORD OX1 4AU (GB).

(74) Agent: FLESSELLES, Bruno; Biogemma, 5 rue Saint-Germain l'Auxerrois, F-75001 Paris (FR).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- with sequence listing part of description published separately in electronic form and available upon request from the International Bureau

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/042745 A1

(54) Title: MEG1 ENDOSPERM-SPECIFIC PROMOTERS AND GENES

(57) Abstract: The present invention relates to promoters that enable gene expression which is both specific to the endosperm and early during the development of the endosperm, as well as nucleic acid molecules encoding basal endosperm transfer cell layer (BETL) proteins.